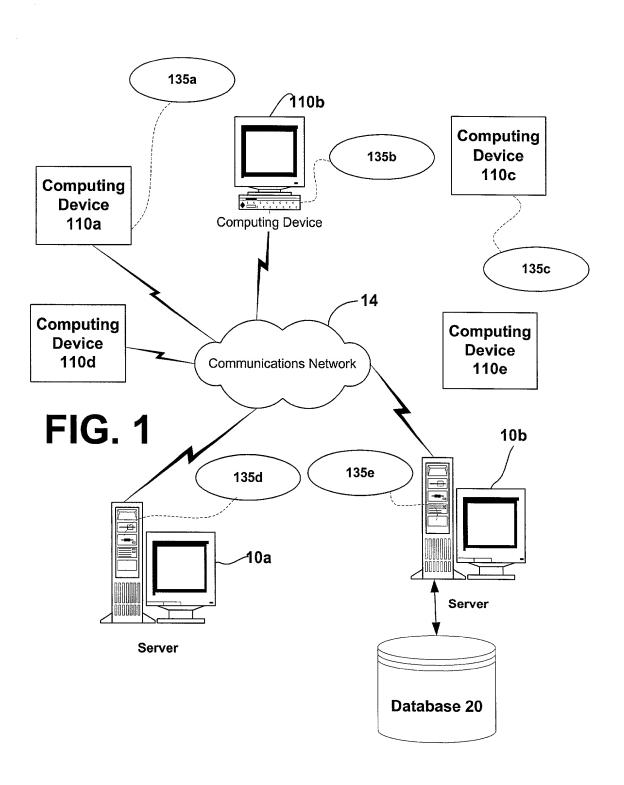
Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

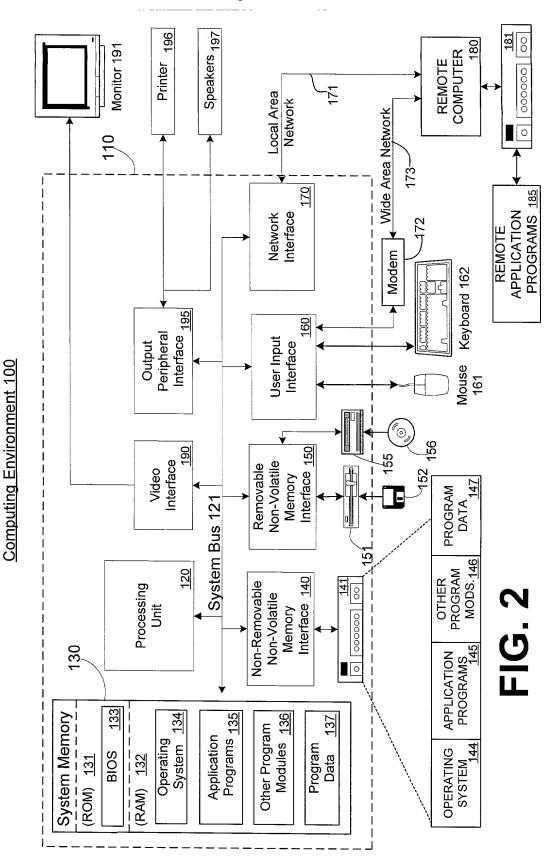
Page 1 of 18



Docket No.: MSFT-0573/160076.1 Inventors: Scott M. Wiltamuth Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 2 of 18



Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 3 of 18

FIG. 3A

```
using System;
interface Interface1
       void F();
class C: Interface1
       public void F() {
              Console.WriteLine("C.F(), which implements Interface1.F()");
class Test
       static void Main() {
              C c = new C();
              // Call through the class
              c.F();
              // Call through the interface
              Interface1 i_c = c;
              i_c.F();
       }
}
```

Programming Language

Page 4 of 18

FIG. 3B

- 310

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 5 of 18

```
interface ICloneable
      object Clone();
                                               FIG. 4A
interface IComparable
      int CompareTo(object other);
                                                400
class ListEntry: ICloneable, IComparable
      object ICloneable.Clone() {...}
      int IComparable.CompareTo(object
other) {...}
```

```
class Shape: ICloneable
      object ICloneable.Clone() {...}
      int IComparable.CompareTo(object
other) {...}
```

FIG. 4B

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 6 of 18

```
FIG. 4C
```

420

```
class Shape: ICloneable
{
    object ICloneable.Clone() {...}
}
class Ellipse: Shape
{
    object ICloneable.Clone() {...}
}
```

FIG. 4D

```
interface IControl
{
     void Paint();
}
interface ITextBox: IControl
{
     void SetText(string text);
}
class TextBox: ITextBox
{
     void IControl.Paint() {...}
     void ITextBox.SetText(string text) {...}
}
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 7 of 18

FIG. 5A

```
interface ICloneable
{
     object Clone();
}
class C: ICloneable
{
     object ICloneable.Clone() {...}
     public object Clone() {...}
}
```

```
interface IControl
{
     void Paint();
}
interface IForm
{
     void Paint();
}
class Page: IControl, IForm
{
     public void Paint() {...}
}
510
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 8 of 18

```
interface IBase
{
    int P { get; }
}
interface IDerived: IBase
{
    new int P();
}
```

```
interface IControl
{
     void Paint();
}
interface ITextBox: IControl
{
     void SetText(string text);
}
interface IListBox: IControl
{
     void SetItems(string[] items);
}
class ComboBox: IControl, ITextBox,
IListBox
{
     void IControl.Paint() {...}
     void ITextBox.SetText(string text) {...}
     void IListBox.SetItems(string[] items)
{...}
```

Docket No.: MSFT-0573/160076.1 Inventors: Scott M. Wiltamuth Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Page 9 of 18

Programming Language

```
FIG. 5E
```

```
interface Interface1
{
    void F();
}
class Class1
{
    public void F() {}
    public void G() {}
}
class Class2: Class1, Interface1
{
    new public void G() {}
}
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 10 of 18

```
interface IControl
{
     void Paint();
}
class Control: IControl
{
     public void Paint() {...}
}
class TextBox: Control
{
     new public void Paint() {...}
}
600
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 11 of 18

```
interface IControl
{
      void Paint();
}
class Control: IControl
{
      public virtual void Paint() {...}
}
class TextBox: Control
{
      public override void Paint() {...}
}
620
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 12 of 18

```
interface IControl
{
      void Paint();
}
class Control: IControl
{
      void IControl.Paint() {...}
}
class MyControl: Control, IControl
{
      public void Paint() {}
}
```

```
interface IMethods
{
	void F();
	void G();
	void H();
	void I();
}
class Base: IMethods
{
	void IMethods.F() {}
	void IMethods.G() {}
	public void I() {}
	public void I() {}
}
class Derived: Base, IMethods
{
	public void F() {}
	void IMethods.H() {}
}
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 13 of 18

FIG. 7C

```
interface IBase
{
    void F();
}
interface IDerived: IBase
{
    void G();
}
class C: IDerived
{
    void IBase.F() {...}
    void IDerived.G() {...}
}
class D: C, IDerived
{
    public void F() {...}
    public void G() {...}
}
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 14 of 18



void F();

void G();

FIG. 8B

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```
interface Interface2
{
         void F();
         void H();
}
```

FIG. 8C

```
using System;
class C: Interface1, Interface2
{
       public void F() {
              Console.WriteLine("Impl of Interface1.F(),
Interface2.F()");
       public void G() {
              Console.WriteLine("Impl of Interface1.G()");
       public void H() {
              Console.WriteLine("Impl of Interface2.H()");
class Test {
       static void Main() {
              C c = new C();
              c.F();
              Interface1 i1 = c;
              Interface2 i2 = c;
              i1.F();
              i2.F();
       }
```

Programming Language

Page 15 of 18

FIG. 8D

```
interface Interface1 {
     void F();
     void G();
}
interface Interface2 {
     int F();
     void H();
}
```

FIG. 8E

```
using System;
class C: Interface1, Interface2
{
    public void F() {
        Console.WriteLine("Impl of Interface1.F()");
    }
    public int F() {
        Console.WriteLine("Impl of Interface2.F()");
        return 123;
    }
    public void G() {
        Console.WriteLine("Impl of Interface1.G()");
    }
    public void H() {
        Console.WriteLine("Impl of Interface2.H()");
    }
}
```

Programming Language

Page 16 of 18

FIG. 8F

```
using System;
class C: Interface1, Interface2
       void Interface1.F() {
              Console.WriteLine("Impl of Interface1.F()");
       int Interface2.F() {
              Console.WriteLine("Impl of Interface2.F()");
              return 123;
       public void G() {
              Console.WriteLine("Impl of Interface1.G()");
       public void H() {
              Console.WriteLine("Impl of Interface2.H()");
class Test
       static void Main() {
              C c = new C();
              Interface1 i1 = c;
              Interface2 i2 = c;
              i1.F();
              int ans = i2.F();
```

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an Explicit Interface Member in a Computer

Programming Language

Page 17 of 18

FIG. 9

Filing Date: July 5, 2001 Serial No.: Not yet assigned Title: System and Methods for Implementing an

Explicit Interface Member in a Computer

Programming Language

Page 18 of 18

```
interface IEnumerator
{
    public bool MoveNext();
    public void Reset();
    public object Current { get; }
}
```

FIG. 10A

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```
class Item
{...}
class ItemCollection: IEnumerator
{

// IEnumerator members
bool MoveNext() {...}
void Reset() {...}
object Current { get {...} }
// Introduced members
void Add(Item item) {...}
void Remove(Item item) {...}
}
```

FIG. 10B

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FIG. 10C